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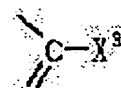
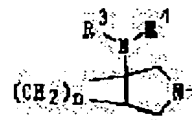
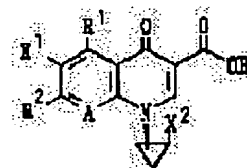
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(54) HETEROCYCLIC COMPOUND

(57)Abstract:

PURPOSE: To obtain a highly stable new heterocyclic compound having potent antimicrobial power against various bacteria including resistant bacteria, useful as a medicine, animal medicine, fishery medicine, antimicrobial preservative, etc., consisting of a specific quinolone derivative having a halogenocyclopropane ring.

CONSTITUTION: This heterocyclic compound is a new N1-(halogenocyclopropyl) substituted pyridonecarboxylic acid derivative (salt) expressed by formula I [X1 is H or a halogen; X2 is a halogen; R1 is H, OH, thiol, a halogenomethyl, (substituted) amino, 1-6C alkyl or 1-6C alkoxy; R2 is a group of formula II (R3 and R4 are each H or a 1-1 6C alkyl; (n) is 1 or 2); A is N or a group of formula III (X3 is H, a halogen, cyano, amino, substituted amino, 1-6C alkyl, 1-6C alkoxy, etc.); R is H, phenyl, acetoxymethyl, pivaloyloxymethyl, ethoxycarbonyl, choline, 5-indanyl, etc.,]. This heterocyclic compound has potent antimicrobial power against various bacteria including resistant bacteria, is highly safe, and useful as e.g. a medicine, animal medicine, fishery medicine, antimicrobial preservative.



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